

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|---|------------------|---------|------------------|
| L1 | 1 | "20020055344".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/19 18:22 |
| L2 | 0 | ("2002/0055344").URPN. | USPAT | OR | ON | 2006/03/19 18:22 |
| L3 | 2 | "5991612".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/19 18:23 |
| L4 | 1 | "5991612".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/19 18:23 |
| L5 | 12 | ("4641368" "4928314" "5001776" "5203019" "5239683" "5517684" "5732242" "5758270").PN. OR ("5991612"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:23 |
| L6 | 3 | ("5001776" "5257283" "5991612").PN. OR ("6718165"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:28 |
| L7 | 1 | "5845200".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:28 |
| L8 | 7 | ("4031491" "4317225" "4370629" "4780909" "5483688").PN. OR ("5845200").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:29 |
| L9 | 1 | "5859559".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:29 |
| L10 | 23 | ("3838262" "4694204" "5532637" "5548840" "5630228").PN. OR ("5859559").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:31 |
| L11 | 1 | "6807406".pn. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:31 |

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| L12 | 22 | ("4313212" "4591826" "4612585" "4736390" "4766497" "4953182" "4955078" "5265005" "5589791" "5633779" "5635892" "5736749" "5745838" "5748466" "5939911" "5987075" "6008102" "6031432" "6304656" "6307879" "6317589").PN. OR ("6807406"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/19 18:33 |
| L13 | 0 | H11-366028 | JPO; DERWENT | OR | ON | 2006/03/19 18:47 |
| L14 | 4 | "366028" | JPO; DERWENT | OR | ON | 2006/03/19 18:47 |
| L15 | 389 | (frequency adj doubler) and "455". clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/19 21:28 |
| L16 | 243 | 15 and mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/19 21:29 |
| L17 | 44 | 16 and satellite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/19 21:29 |
| S1 | 0 | ("725".clas. "348".clas.) and (settop stt std stb (set adj top) receiver decoder ird) and mixer and (local adj signal adj generator) and (level adj switcher) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/27 12:52 |
| S2 | 35 | ("725".clas. "348".clas.) and (settop stt std stb (set adj top) receiver decoder ird) and mixer and (signal adj generator) and (switcher) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/27 12:49 |
| S3 | 3 | ("725".clas. "348".clas.) and (settop stt std stb (set adj top) receiver decoder ird) and mixer and (signal adj generator) and (switcher) and (vco (voltage adj controlled adj oscillator)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2005/09/27 12:50 |

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|----------|----|---|---|----|----|------------------|
| S13 3 | 49 | (US-20010007151-\$ or US-20010046263-\$ or US-20020055344-\$ or US-20030068997-\$ or US-20030078021-\$).did. or (US-4245350-\$ or US-4271530-\$ or US-4367558-\$ or US-4406017-\$ or US-4451930-\$ or US-4461035-\$ or US-4516083-\$ or US-4545072-\$ or US-4556988-\$ or US-4592093-\$ or US-4605968-\$ or US-4608710-\$ or US-4667243-\$ or US-4691351-\$ or US-4777448-\$ or US-4939789-\$ or US-4956864-\$ or US-5146186-\$ or US-5175729-\$ or US-5175884-\$ or US-5263182-\$ or US-5309429-\$ or US-5387913-\$ or US-5517685-\$ or US-5539770-\$ or US-5548811-\$). did. or (US-5564099-\$ or US-5568098-\$ or US-5574997-\$ or US-5621757-\$ or US-5696950-\$ or US-5802241-\$ or US-5832027-\$ or US-5844939-\$ or US-5898325-\$ or US-5903196-\$ or US-5949830-\$ or US-6192228-\$ or US-6233444-\$ or US-6407643-\$ or US-6564045-\$). did. or (EP-632671-\$).did. or (DE-2623783-\$ or EP-454955-\$).did. | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/09/30 11:01 |
| S13 4 | 12 | S133 and satellite and digital | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/09/30 11:06 |
| S13 5 | 4 | 725/151.ccls. and tuner and (digital adj satellite) and pll | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/09/30 11:57 |
| S13 6 | 0 | 455/257,260,318,319.clas. and tuner and (digital adj satellite) and pll | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/09/30 11:57 |
| S13 7 | 8 | 725/151.ccls. and tuner and digital and satellite and pll | US-PGPUB; USPAT; EPO; DERWENT | OR | ON | 2005/09/30 13:17 |
| S13 8 | 24 | (frequency adj multiplier) with (frequency adj response) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 10:57 |

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|----------|------|--|---|----|----|------------------|
| S13 9 | 8926 | shimoda.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 10:57 |
| S14 0 | 41 | S139 and pll | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:17 |
| S14 1 | 985 | ((wideband (wide adj band)) adj receiver) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 13:27 |
| S14 2 | 76 | S141 and (frequency adj multiplier) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 14:10 |
| S14 3 | 0 | handel.xa. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 14:10 |
| S14 4 | 0 | vanhandel.xa. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 14:10 |
| S14 5 | 0 | "van handel" and "725".clas. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 14:10 |
| S14 6 | 1215 | (amplify amplifier amplification) near5 (frequency adj (multiplier doubler)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:20 |
| S14 7 | 100 | S146 and pll | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:20 |
| S14 8 | 15 | S147 and satellite | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:26 |

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|----------|-------|---|---|----|----|------------------|
| S14 9 | 100 | S147 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:26 |
| S15 0 | 85 | S149 not S148 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:49 |
| S15 1 | 87934 | yamaguchi.in. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:49 |
| S15 2 | 702 | S151 and ("455".clas. "348".clas. "725".clas. "375".clas.) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:50 |
| S15 3 | 1 | S152 and gilbert | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 17:51 |
| S15 4 | 0 | "gilbert adj cell adj mixer" | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 18:13 |
| S15 5 | 269 | gilbert adj cell adj mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 18:19 |
| S15 6 | 21 | S155 and satellite | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 18:14 |
| S15 7 | 248 | S155 not S156 | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 18:19 |
| S15 8 | 78 | S157 and pll | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/03 18:20 |

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|----------|-----|--|---|----|----|------------------|
| S15 9 | 447 | 455/295.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/13 17:09 |
| S16 0 | 2 | "20020055344".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/13 17:09 |
| S16 1 | 0 | ("2002/0055344").URPN. | USPAT | OR | ON | 2006/03/13 17:10 |
| S16 3 | 455 | S162 and gain | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/13 17:46 |
| S16 4 | 29 | ("3346814" "4038689" "4087756" "4237556" "4417279" "4472685").PN. OR ("4556988"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 17:36 |
| S16 5 | 534 | 455/326.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/13 18:14 |
| S16 6 | 10 | ("4385401" "5886547" "5898912" "5999804" "6057714" "6073002" "6111452" "6400936" "6512408" "6650883").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/13 18:25 |
| S16 7 | 524 | gilbert near2 mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/13 18:25 |
| S16 8 | 11 | S167 and doubler | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/13 18:31 |
| S16 9 | 0 | ((double adj balanced) adj amplifier) and (((direct adj current) dc) adj amplifier) and ((frequency multiplier) doubler ((double adj balanced) adj mixer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/13 18:33 |

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|----------|------|---|---|----|----|------------------|
| S17 0 | 742 | ((differential) adj amplifier) and (((direct adj current) dc) adj amplifier) and ((frequency multiplier) doubler ((double adj balanced) adj mixer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/13 18:34 |
| S17 1 | 588 | S170 and level | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/13 18:35 |
| S17 2 | 279 | S171 and oscillator | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/13 18:35 |
| S17 3 | 4 | ("3763444" "3837227" "4947139").PN. OR ("5189380"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:00 |
| S17 4 | 381 | (local adj oscillator) near2 (amplitude (output adj level)) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:03 |
| S17 5 | 29 | S174 and ((frequency adj multiplier) doubler) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:01 |
| S17 6 | 259 | S174 and mixer | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:03 |
| S17 7 | 12 | ("3665342" "3824491").PN. OR ("4588968").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:28 |
| S17 8 | 8564 | ((output power) adj level) amplitude) near3 ((local adj signal adj generator) (frequency adj multiplier) doubler oscillator LO) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:31 |
| S17 9 | 105 | ((output power) adj level) amplitude) near3 (frequency adj multiplier) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:31 |
| S18 0 | 57 | S179 and ("455".clas. "725".clas. "348".clas. "331".clas. "327".clas.) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:34 |
| S18 1 | 9 | sharp.as. and (frequency adj multiplier) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:36 |
| S18 2 | 6 | 455/326.ccls. and 455/341.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:46 |

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| S18 3 | 1810 | (controller microcontroller) near5 (multiplier doubler) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:47 |
| S18 4 | 136 | S183 and pll | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/13 19:47 |
| S18 5 | 3436 | 455/255-265,295,326.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 11:01 |
| S18 6 | 844 | S185 and pll | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 11:01 |
| S18 7 | 63 | S186 and (variable adj gain adj amplifier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 11:07 |
| S18 8 | 976 | 455/295,326.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 15:25 |
| S18 9 | 83 | (double adj balanced adj differential adj amplifier) same ((frequency adj multiplier) doubler (double adj balanced mixer)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 15:49 |
| S19 0 | 1 | (level adj switch\$2) same (vco adj switch\$2) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:12 |
| S19 1 | 9987 | ((control\$4) near2 (gain amplitude output voltage level)) with (multiplier doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:15 |

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|----------|-------|--|---|----|----|------------------|
| S19 2 | 6905 | ((control\$4) near2 (gain amplitude output voltage level)) near8 (multiplier doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:15 |
| S19 3 | 417 | ((((control\$4) near2 (gain amplitude output voltage level)) with (multiplier doubler)) same pll | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:16 |
| S19 4 | 417 | ((((microcontroller processor control\$4) near2 (gain amplitude output voltage level)) with (multiplier doubler)) same pll | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:19 |
| S19 5 | 24 | S194 same (tuner receiver) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:17 |
| S19 6 | 92 | ((((microcontroller processor control\$4) near2 (gain amplitude output voltage level)) with (multiplier doubler)) same (pll and amplifier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:34 |
| S19 7 | 427 | 329/318-320.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:53 |
| S19 8 | 70715 | pll | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:53 |
| S19 9 | 1874 | S198 and ((frequency adj multiplier) doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:54 |

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|----------|-----|---|---|----|----|------------------|
| S20 0 | 712 | S199 and controller | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 17:54 |
| S20 1 | 469 | S200 and (tuner receiver) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 18:05 |
| S20 2 | 4 | (constant near3 (input adj level)) near2 mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 18:06 |
| S20 3 | 9 | (constant near3 (input adj level)) with mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 18:07 |
| S20 4 | 83 | (input adj level) near3 mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 18:22 |
| S20 5 | 443 | 455/318.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 18:57 |
| S20 6 | 169 | 331/15.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:04 |
| S20 7 | 614 | 327/119.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:05 |

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| S20 8 | 442 | S207 and (output level) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:12 |
| S20 9 | 294 | 327/122.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:21 |
| S21 0 | 52 | 327/246.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:21 |
| S21 1 | 13 | ("4521918" "4777655" "4817197" "4918403" "5109544" "5204972" "5263197" "5361407" "5402446").PN. OR ("5564099"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/14 19:27 |
| S21 2 | 12349 | ("455".clas. "348".clas. "725".clas.) and ((frequency adj multiplier) multiplier doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:28 |
| S21 3 | 42 | ("455".clas. "348".clas. "725".clas.) and (((frequency adj multiplier) multiplier doubler) near5 (output adj power)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:34 |
| S21 4 | 257 | ((((frequency adj multiplier) multiplier doubler) near5 (output adj power)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:34 |
| S21 5 | 215 | S214 not S213 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:38 |

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| S21 6 | 1 | (control adj driver) with (received near frequency) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:40 |
| S21 7 | 0 | ((frequency adj multiplier) doubler) with (spurious adj compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:41 |
| S21 8 | 0 | ((frequency adj multiplier) doubler) same (spurious adj compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:41 |
| S21 9 | 4 | (spurious adj compensation) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:41 |
| S22 0 | 293 | (spurious near (compensation compensate)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:41 |
| S22 1 | 0 | ((frequency adj multiplier) doubler) with (spurious near (compensation compensate)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:42 |
| S22 2 | 2 | ((frequency adj multiplier) doubler) same (spurious near (compensation compensate)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:43 |
| S22 3 | 410 | (controller microcontroller processor microprocessor) with (received adj frequency) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:44 |

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| S22 4 | 55 | S223 same ((frequency adj multiplier) multiplier doubler (local adj signal adj generator) oscillator) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/14 19:45 |
| S22 5 | 83 | double adj balanced adj differential adj amplifier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 11:09 |
| S22 6 | 7 | ("4996501" "5020146" "6044253" "6128479" "6232839" "6647072" "6788744").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/15 11:01 |
| S22 7 | 30 | double-balanced adj differential adj amplifier | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 11:09 |
| S22 8 | 0 | S227 not S225 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 11:09 |
| S22 9 | 1 | ((input adj level) with (differential adj amplifier)) same (multiplier doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 11:11 |
| S23 0 | 10414 | (power near control\$4) with (amplifier amp) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 11:12 |
| S23 1 | 512 | S230 same (multiplier mixer doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 11:12 |

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| S23 2 | 10414 | (power near control\$4) with (amplifier amp) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 11:27 |
| S23 3 | 512 | S232 same (multiplier mixer doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 12:58 |
| S23 4 | 4 | (harmonic adj interference) same (power control\$4) same (multiplier doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:02 |
| S23 5 | 10 | (harmonic adj interference) same (multiplier doubler) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:05 |
| S23 6 | 6 | S235 not S234 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:02 |
| S23 7 | 0 | (harmonic adj interference) same (balanced adj mixer) same (power near control\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:06 |
| S23 8 | 0 | (harmonic adj interference) same (mixer) same (power near control\$4) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:06 |
| S23 9 | 0 | (harmonic adj interference) same (mixer) same (power near switch\$3) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:06 |

EAST Search History

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| S24 0 | 105 | (input adj level) near4 mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:14 |
| S24 1 | 91 | 327/329.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:16 |
| S24 2 | 518 | 327/331.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:16 |
| S24 3 | 36 | S242 and (multiplier doubler mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:38 |
| S24 4 | 981 | 455/234.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:39 |
| S24 5 | 361 | S244 and (multiplier doubler mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:56 |
| S24 6 | 20 | S244 and (multiplier doubler mixer) and (detect\$3 near frequency) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 13:56 |

EAST Search History

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| S24 7 | 22 | ("4313212" "4591826" "4612585" "4736390" "4766497" "4953182" "4955078" "5265005" "5589791" "5633779" "5635892" "5736749" "5745838" "5748466" "5939911" "5987075" "6008102" "6031432" "6304656" "6307879" "6317589").PN. OR ("6807406"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 14:26 |
| S24 8 | 99 | 455/241.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 14:26 |
| S24 9 | 101 | 455/241.1.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 14:40 |
| S25 0 | 136 | 455/234.2.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/15 14:40 |
| S25 1 | 3 | ("5001776" "5257283" "5991612").PN. OR ("6718165"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 15:10 |
| S25 2 | 206 | 455/189.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 15:20 |
| S25 3 | 163 | 455/185.1.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 15:39 |
| S25 4 | 96 | 455/183.2.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 15:59 |
| S25 5 | 125 | 455/227.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 16:29 |
| S25 6 | 5 | russo.in. and ("725".clas. "386".clas.) | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 17:42 |
| S25 7 | 1708 | 348/729-733.ccls. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/15 17:45 |

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| S25 8 | 1749 | 348/729-733.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 17:45 |
| S25 9 | 417 | S258 and mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:06 |
| S26 0 | 0 | (double adj balanced adj mixer) and (double adj balanced adj differential adj amplifier) and (((direct adj current) dc) adj amplifier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:07 |
| S26 1 | 0 | (double adj balanced adj mixer) and (double adj balanced adj differential adj amplifier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:07 |
| S26 2 | 83 | (double adj balanced adj differential adj amplifier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:10 |
| S26 3 | 7 | S262 with (vco oscillator lo) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:08 |
| S26 4 | 3 | (differential adj amplifier) and (double adj balanced adj mixer) and (((direct adj current) dc) adj amplifier) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:51 |
| S26 5 | 638 | 725/151.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:51 |
| S26 6 | 121 | S265 and mixer | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT | OR | ON | 2006/03/15 18:51 |

EAST Search History

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| S26 7 | 2 | "20020120937".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 10:23 |
| S26 8 | 1 | "20020120937".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/16 10:28 |
| S26 9 | 35 | ("20020042255" "20020190783" "20030045263" "20030143960" "20040166799" "3872329" "4331944" "4354250" "4628518" "4849661" "5210504" "5532637" "5604501" "5757921" "5819157" "5859559" "5884154" "5930696" "5942935" "5950112" "6031878" "6037825" "6069510" "6122497" "6150875" "6160571" "6166591" "6218885" "6246864" "6529100" "6529721" "6583661" "6631257" "6731712").PN. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/16 10:39 |
| S27 0 | 110 | (low adj (noise spurious)) same (double adj balanced adj mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/16 10:39 |
| S27 1 | 22 | ("4203073" "4636663" "4937516" "5379457" "5521545" "5548840" "5649288" "5675392" "5678225" "5760632" "5809410" "5821802" "5844449" "5859558" "6011966" "6026286" "6057714").PN. OR ("6529721").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/16 11:25 |
| S27 2 | 296 | (gilbert adj cell adj mixer) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 11:27 |
| S27 3 | 21 | S272 and satellite | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 11:32 |

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| S27 4 | 298 | 455/317.ccls. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/03/16 18:08 |
| S27 5 | 1 | "4556988".pn. | US-PGPUB; USPAT; USOCR; EPO; JPO; IBM_TDB | OR | ON | 2006/03/16 18:09 |
| S27 6 | 29 | ("3346814" "4038689" "4087756" "4237556" "4417279" "4472685").PN. OR ("4556988"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2006/03/16 18:09 |